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SOURCE Elektricheskiye Stantsii, No 9, 1949.NEW BOOKS ON POWER ENGINEERING

1. Pulse Measurements on Electrical Transmission and Communication Lines (Impul'snyye izmereniya liniy elektropredachi i elektrosvyazi), Ya. L. Bykhovskiy and V. L. Bakinovskiy, M-L, Gosenergoizdat, 1949, 71 pp, 2 rubles 75 kopecks.

Sets forth principles of the theory of pulse measurements on electrical transmission and communication lines. Examines connection between this branch of technology and radar and theory of transient processes in electric circuits. Described impulse-measuring equipment used in practice. Instrument circuits and separate units described in the book were built in the TsNIEL (Central Scientific Research Laboratory of Electrical Engineering), Ministry of Electric Power Stations.

2. Problems of the Hydrotechnology of Open Rivers (Voprosy gidrotekhniki svobodnykh rek). A collection of selected works by the founders of Russian waterway hydrotechnology, published by the Ministry of the River Fleet USSR, Moscow, 1948, 362 pp, 18 rubles.

Collection contains principal and original works of Russian hydro-technologists of the past and the beginning of the present century on problems of the hydrotechnology of rivers. Articles have a historical as well as a direct significance for our time. Authors: Velikanov, Lokhtin, Anosov, Lelyavskiy, Puzyrevskiy, Timonov, Kleyber and Zhukovskiy.

3. Power Engineering of Hydroelectric Power Stations (Energetika gidroelektricheskikh stantsii), G. G. Gorbunov. (Water-power engineering calculations performed during operation of hydroelectric power stations.) L-M, Gosenergoizdat, 1949, 207 pp, 12 rubles.

- 1 -

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Object of book is to introduce uniformity into methods used in water-power engineering calculations, to simplify them, and to place power-engineering accounting on an orderly basis inside and outside the station (heads, water expenditure, daily regulation, seasonal and multi-year flow regulation, operating characteristics of unit and station, production of energy, etc.) Types of tables suitable for the most common calculations are given in appendices.

4. The Most Advantageous Load Distribution Between Electric Power Stations Working in Parallel (Navygodnaysheye raspredeleniye nagruzok mezhdru parallel'no rabotayushchimi elektrostantsiyami), V. M. Gornshcheyn, M-L, Gosenergoizdat, 1949, 256 pp, 13 rubles.

Examines methods and practical ways of finding the most advantageous load distribution between two electric power stations operating in parallel. Examines methods of obtaining and evaluating test results on boilers and turbines, and also on overall characteristics of electric power stations. Explains methods of allowing for losses in networks and for the requirements of the power station itself, when finding the most advantageous distribution of load between stations. The basic viewpoints and methods in the book have been confirmed by wide discussion at sessions of the Technical Council, Ministry of Electric Power Stations USSR.
5. Guide for the Switchboard Attendant at an Electric Power Station (Rukovodstvo dlya dezhurnogo shchita upravleniya elektrostantsii), L. N. Baptidanov and V. I. Tarasov, 4th edition, corrected. Approved by Personnel Administration, Ministry of Electric Power Stations USSR, as a textbook for training personnel, M-L, Gosenergoizdat, 1949, 260 pp, 11,000 copies, 7 rubles 75 kopecks.
6. Operation of Plant Units (Eksploataatsiya agregatov), N. K. Barkov, N. A. Popov and Ya. F. Fiterman, L-M, Gosenergoizdat, 1949, 260 pp, 3,000 copies, 9 rubles 40 kopecks.
7. Irregularities in the Operation of Hydroelectric Power Station Units (Neravnomernost' khoda agregatov gidroelektrostantsii), Ye. F. Gurbich, edited by F. F. Gubin, M-L, Gosenergoizdat, 1949, 126 pp, 1,500 copies, 5 rubles.
8. Electrical Machines, Special Section (Elektricheskiye mashiny, Spetsial'naya chast'), M. P. Kostenko. Approved by the Ministry of Higher Education USSR as a textbook for power and electrical engineering high institutes and faculties, L-M, Gosenergoizdat, 1949, 712 pp, 5,000 copies, 35 rubles 25 kopecks.
9. Handbook on the Erection of Distribution Installations (Spravochnik po montazhu raspredelitel'nykh ustroystv), P. V. Kuznetsov and V. S. Kondakhchan, M-L, Gosenergoizdat, 1949, 588 pp, 7,000 copies, 40 rubles.
10. Design and Construction of Telephonic Communication Apparatus (Raschet i konstruirovaniye apparatury telefonnoy svyazi), V. D. Lobastov. Approved by the Administration of Educational Institutions, Ministry of the Communications Industry USSR, as a textbook for technical schools, M-L, Gosenergoizdat, 1949, 198 pp, 2,000 copies, 7 rubles 50 kopecks.

- 2 -

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11. Theoretical Electrical Engineering (Teoreticheskaya elektrotehnika), N. N. Mansurov and V. S. Popov, 2d edition, revised. Approved by the Administration of Educational Institutions, Ministry of the Electrical Industry USSR, as a textbook for technical schools specializing in electrical engineering. M-L, Gosenergoizdat, 1949, 488 pp, 25,000 copies, 16 rubles 60 kopecks.
12. Nameplates for Turbine Installations (Pasport turbinnoy ustanovki), M-L, Gosenergoizdat, 1949, 22 pp, 3,000 copies, 2 rubles 75 kopecks.
13. Production of Communication Cables (Proizvodstvo kabeley svyazi), M. Yu. Posherstnik, N. G. Turkin, M-L, Gosenergoizdat, 1949, 136 pp, 2,750 copies, 4 rubles 15 kopecks.
14. Magnetic Amplifiers (Magnitnyye usiliteli), M. A. Rozenblat, M-L, Gosenergoizdat, 1949, 184 pp, 4,000 copies, 10 rubles.
15. Peat Deposits and Prospecting for Them (Torfyanye mestorozhdeniya i ikh razvedka), S. N. Tyuremnov. 2d edition, revised. Approved by the Ministry of Higher Education USSR as a textbook for peat institutes, M-L, Gosenergoizdat, 1949, 464 pp, 4,000 copies, 16 rubles 85 kopecks.

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- 3 -

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